

Claims

1. Oil wiping ring (10) for pistons of internal combustion engines, having a closed working surface (13) that rests against the cylinder wall, as well as an upper and lower ring wall (11a, 11c) that run parallel to one another, between which a radial recess (12a) for accommodating a screw-shaped spring (M), which recess runs over the circumference, is disposed in the center of the ring back (12), whereby the ring walls (11a, 11c) have face surfaces (12b, 12c) on the circumference side that are wave-shaped towards the ring back (12),
characterized in that
the wave-shaped face surfaces (12b, 12c) of the upper and lower ring wall are phase-shifted relative to one another.
2. Oil wiping ring for pistons of internal combustion engines according to claim 1, characterized in that the phase shift amounts to 170° to 190° , preferably 180° .
3. Oil wiping ring for pistons of internal combustion engines according to claim 1, characterized in that the wave shape of the face surfaces (12b, 12c) follows a sine function.
4. Oil wiping ring for pistons of internal combustion engines according to claim 1, characterized in that the face surfaces

(12b, 12c) of the upper and lower ring wall (11a, 11c) have a number of waves of 20 to 50 on the circumference.

5. Oil wiping ring for pistons of internal combustion engines according to claim 4, characterized in that the number of waves of the face surfaces (12b, 12c) of upper and lower ring wall is the same.
6. Oil wiping ring for pistons of internal combustion engines according to claim 1, characterized in that the face surfaces (12b, 12c) of upper and lower ring wall has a wave amplitude that corresponds to at least half the diameter of the screw-shaped spring (M).